

1
2 4. The Claims
3

4 I claim:

- 5 1. A method of generating an alert to an incoming radar signal comprising the acts
6 of:
7 (a) detecting the incoming radar signal;
8 (b) determining the position of the device that detected the incoming radar
9 signal; and
10 (c) generating an alert if the position of the device is not within a
11 predetermined distance of a predetermined position.
12
- 13 2. The method of claim 1 wherein the act of detecting the incoming radar signal
14 includes determining at least one characteristic of the radar signal.
15
- 16 3. The method of claim 2 wherein the act of determining at least one characteristic
17 of the radar signal includes determining the frequency of the radar signal.
- 18 4. The method of claim 2 wherein the act of determining at least one characteristic
19 of the radar signal includes determining a frequency bin number.
- 20 5. The method of claim 2 wherein the act of determining at least one characteristic
21 of the radar signal includes determining whether the incoming radar signal is in
22 the X frequency band, the Ku frequency band, the K frequency band, or the Ka
23 frequency band.
- 24 6. The method of claim 2 wherein the act of determining at least one characteristic
25 of the radar signal includes determining the signal strength of the incoming radar
26 signal.

8
1 7. The method of claim 1 wherein the act of determining the position of the device
2 includes receiving signals from a plurality of satellites.

7
3 8. The method of claim 2 wherein the act of generating an alert includes generating
4 an alert if the at least one characteristic is not similar to a predetermined
5 characteristic.

6 9. The method of claim 1 wherein the act of determining the position of the device
7 includes receiving a differential global positioning signal.

8 10. The method of claim 1 wherein the act of determining the position of the device
9 includes receiving dead reckoning data.

10 11. A method of generating an alert to an incoming radar signal comprising the acts
11 of:

- 12 (a) detecting the incoming radar signal;
13 (b) determining the velocity of the device that detected the incoming radar
14 signal; and
15 (c) generating an alert if the velocity of the device is greater than a
16 predetermined velocity.

17 12. The method of claim 11 wherein the act of determining the position of the device
18 includes receiving data from a plurality of satellites.

19 13. The method of claim 11 wherein the act of determining the position of the device
20 includes receiving data from a plurality of global positioning satellites.

21 14. The method of claim 11 wherein the act of determining the position of the device
22 includes receiving differential global positioning data.

1 15. The method of claim 11 wherein the act of determining the position of the device
2 includes receiving dead reckoning data.

3 16. The method of claim 11 wherein the act of generating an alert if the velocity of
4 the device is greater than a predetermined velocity includes generating an alert if
5 the velocity of the device is greater than a velocity that has been previously
6 programmed by an operator of a motor vehicle.

7 17. The method of claim 11 wherein the act of generating an alert if the velocity of
8 the device is greater than a predetermined velocity includes generating an alert if
9 the velocity of the device is greater than a legal speed limit that is retrieved from a
10 database.

11 18. A radar detector for alerting an operator of a motor vehicle to an incoming police
12 radar signal comprising:
13 (a) a microprocessor;
14 (b) a circuit coupled to the microprocessor for detecting the incoming police
15 radar signal; and
16 (c) a global positioning system receiver coupled to the microprocessor.

17 19. The radar detector of claim 18, further including a program storage device that is
18 coupled to the microprocessor, the program storage device containing machine
19 readable instructions for:
20 (a) determining the position of a radar detector; and
21 (b) generating an alert if the position of the radar detector is not within a
22 predetermined distance of a predetermined position.

23 20. The radar detector of claim 19, wherein the program storage device includes
24 machine readable instructions for determining at least one characteristic of the
25 radar signal.

- 1 21. The radar detector of claim 18, further including a program storage device that is
2 coupled to the microprocessor, the program storage device containing machine
3 readable instructions for:
- 4 (a) determining the velocity of the device utilized to detect the incoming radar
5 signal; and
 - 6 (b) generating an alert if the velocity of a radar detector is greater than a
7 predetermined velocity.

664740" 68026260

14